Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work:Providing footpath Railings at Raitharasanthe road in Kempegowda ward no-01 of Yelahanka Sub Division

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Earth work **excavation by manual means for drains**,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work . Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum (Tipper 5.5 m3) (V-I.No 1.4,Page No-5 PWD SR 2021-22) & (V-III Page No.3, Item No.1.1 A of PWD SR 2021-22)								
	Basic Rate	186.00							
	Loading And Unloading	118.00							
	Sub Total	304.00							
	Area Weightage 10%	30.40							
	Total Rate	**334.40**							
	RCC Drain								
	Raithara Santhhe								
		1	180.00	1.50	1.00	270.00			
	Culvert	1	12.00	1.80	1.00	21.60			
	For MS Rod	2	180.00	0.45	0.40	64.80			
						356.40	**Cum**	**334.40**	**119180.16**
2	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) **Mix 1:3:6 (M10) Using 40 mm** nominal size graded crushed coarse aggregates (V-1, P.No-15, I No-2 1.3 of PWD SR 2021 22)(Issue rate on 07-07-22)								
	Basic Rate	**5554.00**							
	Area Weightage 10%	**555.40**							
	Total Rate	**6109.40**							
	RCC Drain								
	Raithara Santhhe								
		1	180.00	1.50	0.15	40.50			
	Culvert	1	12.00	1.80	0.15	3.24			
	For MS Rod	2	180.00	0.45	0.10	16.20			
						59.94	**Cum**	**6109.40**	**366197.44**
3	Supplying, **Fitting and Placing un-coated TMT bar** Reinforcement in sub-structure complete as per Drawing and Technical Specifications.(V-III, I.No 13.1 Page No 99, PWD SR 2021-22) (Issue rate on 07-07-22)								
	Basic Rate	**92170.00**							
	Area Weightage 10%	**9217.00**							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Total Rate	**101387.00**							
	For RCC Drain, 60kg/Cum	1	81.00	60.00		4860.00			
	For RCC Culvert, 90kg/Cum	1	6.64	90.00		597.24			
						5457.24			
						5.46	**Tn**	**101387.00**	**553293.19**
4	Providing and laying in position **Reinforced cement concrete** for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M20 Design Mix Using 20 mm** nominal size graded crushed coarse aggregates (V-1,P.No.17, I.No.2.4.2 of PWD SR 2021-22) Apendx I, V-I P.No-115)(Issue rate on 07-07-22)								
	Basic Rate	**5968.00**							
	5% Centring	**298.40**							
	Sub Total	**6266.40**							
	Area Weightage 10%	**626.64**							
	Total Rate	**6893.04**							
	RCC Drain Raft								
	Raithara Santhhe								
		1	180.00	1.20	0.15	32.40			
	RCC Drain Wall								
	Raithara Santhhe								
		2	180.00	0.15	0.90	48.60			
						81.00			
	Culvert Raft	1	12.00	1.50	0.20	3.60			
	Culvert Wall	2	12.00	0.23	0.55	3.04			
						6.64			
	For MS Rod	1	180.00	0.45	0.25	20.25			
						107.89	**Cum**	**6893.04**	**743662.51**
5	Providing and fixing precast reinforced cement concrete **covering slabs of 15Cm thick** made of M25 with OPC cement,@340kgs/cum with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work.(Exclusive of GST and Area Loading Charges)								
	Data Rate	**2562.00**							
	Raithara Santhhe								
		1	180.00	1.20		216.00			
	Missing/Damage Slabs	60	0.60	1.20		43.20			
						259.20	**Sqm**	**2562.00**	**664070.40**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
6	Providing and fixing precast reinforced cement concrete **covering slabs of 23Cm thick** made of M25 with OPC cement,@340kgs/cum with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work.(Exclusive of GST and Area Loading Charges)								
	Data Rate	**5037.00**							
	Raithara Santhhe								
	Culvert Raft	1	12.00	1.50		18.00			
	Missing/Damage Slabs	17	0.60	1.50		15.30			
						33.30	**Sqm**	**5037.00**	**167732.10**
7	20mmx20mm Vertical M.S.Square rod(Sl.No-284 Code No-2028, Pno-XI)								
	Basic Rate	37.29							
	Area Weightage 6%	2.24							
	Total Rate	**39.53**							
	Pathway								
	Raithara Santhhe								
		2	180.00	1.20		432.00	Sqm		
	Consider 13kg/Sqm	13	432.00			**5616.00**			
						5616.00	**Kg**	**39.53**	**221985.88**
8	KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications.(I.No-15.73, P.No-123 of PWD SR 2021-22)								
	Basic Rate	41.00							
	Area Weightage 6%	2.46							
	Total Rate	**43.46**							
	Pathway								
	Raithara Santhhe								
		2	180.00	1.20		432.00	Sqm		
						432.00	**Sqm**	**43.46**	**18,774.72**
9	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surfacebrushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.(I.No-15.77, P.No-123 of PWD SR 2021-22)								
	Basic Rate	95.00							
	Area Weightage 6%	5.70							
	Total Rate	**100.70**							
	Pathway								
	Raithara Santhhe								
		2	180.00	1.20		432.00	Sqm		
						432.00	**Sqm**	**100.70**	**43,502.40**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
10	Providing and laying in position **plain cement concrete** for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. **Mix 1:3:6 (M10) Using 20 mm** nominal size graded crushed coarse aggregates (V-I, I.No-2.1.4, P.No-15 of PWD SR 2021-22). (Issue rate on 07-07-22)								
	Basic rate	**5728.00**							
	Area Weightage 10%	**572.80**							
	Total	**6300.80**							
	For Kerb								
	Raithara Santhhe								
		2	180.00	0.20	0.05	3.60			
						3.60	**Cum**	**6300.80**	**22,682.88**
11	Providing and fixing pre cast solid cement concrete **kerb stones** made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges) Data Rate								
	Basic Data Rate	**507.00**							
	For Kerb								
	Raithara Santhhe								
		2	180.00			360 00			
						360.00	m		
						800.00	**Nos**	**507.00**	**405600.00**
12	**Painting two coats** after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces (V-III, P.No.56, I.No.8.10 of PW, PWD SR 2021-22)								
	Basic rate	**85.00**							
	Area Weightage 10%	**8.5**							
	Total	**93.50**							
	For Kerb								
	Raithara Santhhe								
		2	180.00		0.35	126.00			
						126.00	**Sqm**	**93.50**	**11,781.00**
13	**Cost of Haulage Excluding Loading** and Unloading Taking output 10 t load and lead 10 km = 100 t.km(V-III Page No.3, Item No.1.4A of PWD SR 2021-22)								
	Basic Rate	**12.00**							
	8KM Lead = 12*8	**96.00**							
	Area Weightage 10%	**9.60**							
	Total Rate	**105.60**							
	Qty frm Item No-1		356.40	1.28		456.19			
						456.19	**t.Km**	**105.60**	**48,173.88**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
								Total Construction Cost	3386636.55
								18% GST for Construction Cost	609594.58
								Sub Total	3996231.13
								Utility Shifting,Miscellaneous and Rounding off	3,768.87
								GRAND TOTAL	4000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2021-2022, issue rates dated 07-07-2022 and Data Rates

Assistant Engineer
Ward No-01
BBMP Bangalore

Asst. Executive Engineer,
Yelahanka Sub Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore

Administrative Approval

Accorded For 40.00 Lakhs
Head of A/C P-3726
CER NO :...06..... Dt: 8/8/2022

TA CE (YDK)

Accorded For 40.00 Lakhs.
Head of A/C P-3726
CER NO :...44..... Dt: 8/8/2022